Healthcare Informatics Standards Board

United States Health Information Knowledgebase (USHIK)

Metadata Registry Project

20 August 2001

Glenn M. Sperle

410 786-4610 / gsperle@cms.hhs.gov

Preview

- Provide Background and Status of Metadata Registry Project

- Review
  - Vision
  - Current Status
  - Metadata Registry Overview
  - Future

- Demonstration

What is national health information?

National health information is information that either is national in coverage or has national relevance and relates to:

- the <u>health of the population</u>

- the <u>determinants of the population's health</u>, including external factors and those internal to individuals

- <u>health programs or health services</u>, covering information on the nature of the services provided and their management, resourcing, accessibility, use and effectiveness

- the <u>relationships</u> among these elements.

Why is it needed?

- Health information is needed by consumers and providers of health services, the health industry, governments and the community to <u>enable informed decision making</u>.

- <u>Consumers need information</u> to guide their decisions to seek care, modify their behaviour, choose between different treatment options and understand the care they are receiving.

- <u>Providers of health services need information</u> about the needs of the populations they serve, the effectiveness of their interventions and for whom they are effective, and the acceptability of these interventions to the community.

- Providers also require nationally consistent information to be able to <u>compare the effectiveness and efficiency</u> of their operations with those of their peers.

- <u>The health industry and governments need information</u> to make decisions about how to provide services equitably, efficiently and effectively, and to monitor health service financing, performance and health outcomes

Why a metadata registry for health?

- To provide a common vocabulary and architecture for health information in America that will enable better quality health information to be produced, which will, in turn, result in better health for Americans

Metadata Registry Project

Vision: To provide and maintain a metadata registry of health information data element definitions, values, and information models which will enable browsing, comparison, synchronization, and harmonization within a uniform query and interface environment.

Metadata Registry Project

Scope: The registry will be initially populated with the data elements and information models of Standards Development Organizations (SDO), in such as way that public and private organizations can harmonize their information formats with SDO driven standards.

Current Status (i)

- The Healthcare Informatics Standards Board (HISB), seven Standards Development Organizations (SDOs), and six other organizations are participating loading and enhancing a metadata registry.

- The Mayo Foundation is managing a HISB work unit that oversees the USHIK project.

Current Status (ii)

- The Centers for Medicare & Medicaid Services and the Department of Defense, Health Affairs are providing operational support.

    – Funding to continue enhancements and operations for next year is now in place

Current Status (iii)

- The National Institute of Health, National Cancer Institute will host the **USHIK** site (www.ushik.org).

- The National Institute of Health, National Cancer Institute is funding and collaborating on the development of an XML registry metadata exchange format based on ISO-11179 standard

Current Status (iv)

Participating SDOs are:

– Accredited Standards Committee - X12 Subcommittee N - Insurance (X12N)

– American Dental Association (ADA)

– American Society for Testing and Materials Committee E31 on Healthcare Informatics (ASTM E31)

Current Status (v)

Participating SDOs are:

– Health Industry Business Communications Council (HIBCC)

– Health Level Seven (HL7)

– Medical Device Communications Industry Group (IEEE 1073)

– National Council for Prescription Drug Programs (NCPDP)

Current Status (vi)

- Other participating organizations are:
  - Centers for Disease Control and Prevention (CDC)
  - Department of Defense, Health Affairs (DoD HA)
  - National Institute of Health, National Cancer Institute
  - National Committee on Vital and Health Statistics (NCVHS)

Current Status (vii)

- Other participating organizations are:
  - Government Computer-Based Patient Record Project (G-CPR - Department of Defense, Health Affairs (DoD HA), Department of Veteran Affairs (VA), and Indian Health Service (IHS)
  - Centers for Medicare & Medicaid Services, End Stage Renal Disease Program (CMS ESRD)

Metadata Loading Progress

Organization	Approximate Number	Mapped to NHIM	Comment
1. National Council for Prescription Drug Programs (NCPDP)	441	Yes	Loaded
2. Department of Defense, Health Affairs (DoD HA) – Glossary of Healthcare Terminology	778		User Input
3. Accredited Standards Committee – X12 Subcommittee N – Insurance (X12N)	1145	In Progress	Loaded
4. National Committee on Vital and Health Statistics (NCVHS)	42	Yes	Loaded
5. Health Level (HL7)	409		Loaded
6. Centers for Disease Control and Prevention (CDC)	31		Loaded
7. Medical Device Communications Industry Group (IEEE 1073)			User Input
8. American Society for Testing and Materials Committee E31 on Healthcare Informatics (ASTM E31)	909	In Progress	Loaded
9. American Dental Association (ADA)	911		User Reformat
10. Health Industry Business Communications Council (HIBCC)			User Input
11. Government Computer–based Patient Record (G–CPR) Reference Terminology Model	356		Loaded
12. Health Care Financing Administration, End Stage Renal Disease (HCFA ESRD)			User Input
13. Department of Defense, Health Affairs (DoD HA) – Functional Area Model – Data	3291		Loaded

Metadata Loading Progress

Organization	Approximate Number	Mapped to NHIM	Comment
14.　National Institute of Health, National Cancer Institute (NIH–NCI)			User Input
15.　HIPAA Designated Code Sets		In Progress	
National Drug Code Directory	29		Loaded
Health Care Financing Administration Common Procedure Coding System (HCPCS)	27		Loaded
Logical Observation Identifier Names and Codes (LOINC)			Loaded
International Classification of Diseases, 9th Revision, Clinical Modification (ICD–9–CM)	56 3		Loaded

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Metadata Registry Overview

- A metadata registry is a place to keep facts about characteristics of data that are necessary to clearly describe, inventory, analyze, and classify data.

- A metadata registry supports data sharing with cross-system and cross-organization descriptions of common units of data.

- A metadata registry assists users of shared data to have a common understanding of a unit of data's meaning, representation, and identification.

Metadata Registry Overview

Methods of Finding Data Elements

Data Elements

ABCDEFGH..

Initiatives

Health Insurance Portability and Accountability Act...

Data Collections

HCFA Long Term Care
BRFSS

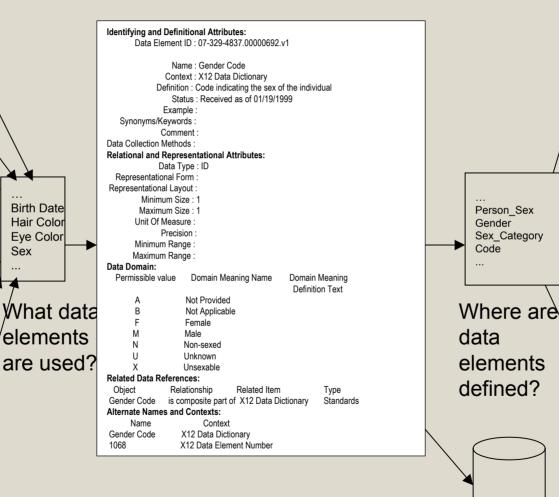**Data Agreements**

X12
NCVHS Core Data
NCPDP

Organizations

CDC
AHCPR
NCVHS

Models

HL7-RIM
DoD HA FAM-D
AIHW

Data elements are described in common format.

...
Birth Date
Hair Color
Eye Color
Sex
...

What data elements are used?

Identifying and Definitional Attributes:
Data Element ID : 07-329-4837.00000692.v1

Name : Gender Code
Context : X12 Data Dictionary
Definition : Code indicating the sex of the individual
Status : Received as of 01/19/1999
Example :
Synonyms/Keywords :
Comment :
Data Collection Methods :
Relational and Representational Attributes:
Data Type : ID
Representational Form :
Representational Layout :
Minimum Size : 1
Maximum Size : 1
Unit Of Measure :
Precision :
Minimum Range :
Maximum Range :
Data Domain:

Permissible value	Domain Meaning Name	Domain Meaning Definition Text
A	Not Provided	
B	Not Applicable	
F	Female	
M	Male	
N	Non-sexed	
U	Unknown	
X	Unsexable	

Related Data References:

Object	Relationship	Related Item	Type
Gender Code	is composite part of	X12 Data Dictionary	Standards

Alternate Names and Contexts:

Name	Context
Gender Code	X12 Data Dictionary
1068	X12 Data Element Number

...
Person_Sex
Gender
Sex_Category
Code
...

Where are data elements defined?

Codes can be downloaded for use in applications.

References to Authoritative Sources

NCPDP (National Council for Prescription Drug Program)

Data Element

X12 (American Standards Committee)

Transaction Set
-Data Element
-Composite Data Element

HL7 (Health Level Seven)

Reference Information Model
-Subject Area
-Class
-Attributes

NHIM (National Health Information Model of Australia)

Model
-Model Subtype
-Information Model
Subtype
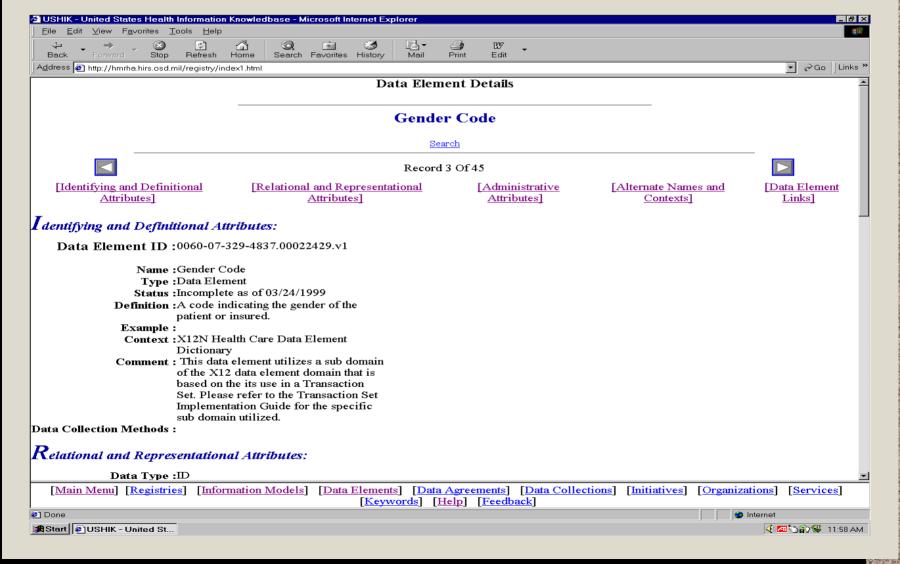-Data Element
-Data Concept
-Composite Data Element
-Derived Data Element

Data elements are described in common format (i)

Data elements are described in common format (ii)

Identifying and Definitional Attributes:

Data Element ID : 0060-07-329-4837.00022429.v1

Name : Gender Code
Type : Data Element
Status : Incomplete as of 03/24/1999
Definition : A code indicating the gender of the patient or insured.
Example :
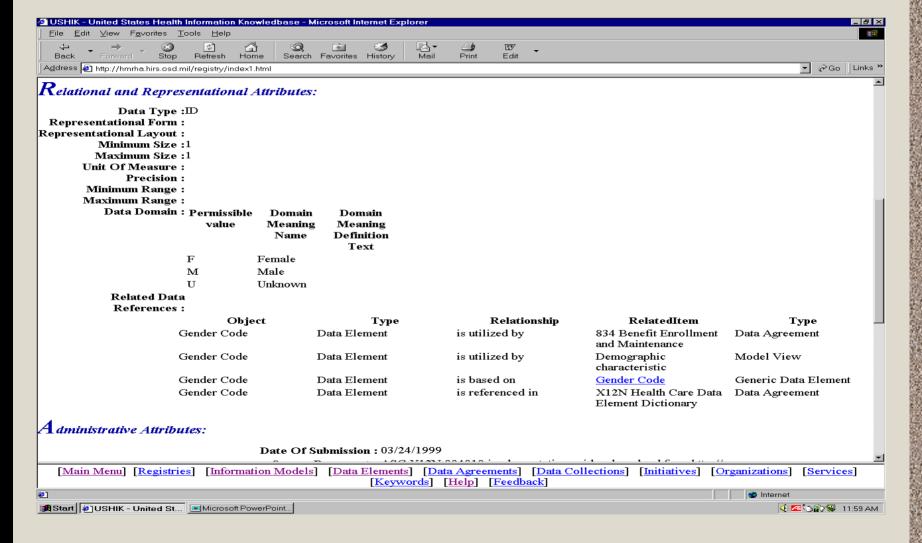**Context :** X12N Health Care Data Element Dictionary
Comment : This data element utilizes a sub domain of the X12 data element domain that is based on the its use in a Transaction Set. Please refer to the Transaction Set Implementation Guide for the specific sub domain utilized.

Data elements are described in common format (iii)

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Mail   Print   Edit

Address http://hmrha.hirs.osd.mil/registry/index1.html   Go   Links

Relational and Representational Attributes:

Data Type : ID
Representational Form :
Representational Layout :
Minimum Size : 1
Maximum Size : 1
Unit Of Measure :
Precision :
Minimum Range :
Maximum Range :
Data Domain :

Permissible value	Domain Meaning Name	Domain Meaning Definition Text
F	Female	
M	Male	
U	Unknown	

Related Data References :

Object	Type	Relationship	RelatedItem	Type
Gender Code	Data Element	is utilized by	834 Benefit Enrollment and Maintenance	Data Agreement
Gender Code	Data Element	is utilized by	Demographic characteristic	Model View
Gender Code	Data Element	is based on	Gender Code	Generic Data Element
Gender Code	Data Element	is referenced in	X12N Health Care Data Element Dictionary	Data Agreement

Administrative Attributes:

Date Of Submission : 03/24/1999

[Main Menu]   [Registries]   [Information Models]   [Data Elements]   [Data Agreements]   [Data Collections]   [Initiatives]   [Organizations]   [Services]
[Keywords]   [Help]   [Feedback]

Internet

Start | USHIK - United St... | Microsoft PowerPoint...   11:59 AM

Data elements are described in common format (iv)

Relational and Representational Attributes:

Data Type : ID
Representational Form :
Representational Layout :
Minimum Size : 1
Maximum Size : 1
Unit Of Measure :
Precision :
Minimum Range :
Maximum Range :
Data Domain :

Permissible value	Domain Meaning Name	Domain Meaning Definition Text
F	Female	
M	Male	
U	Unknown	

Data elements are described in common format (v)

Related Data References :

Object	Type	Relationship	RelatedItem	Type
Gender Code	Data Element	is utilized by	834 Benefit Enrollment and Maintenance	Data Agreement
Gender Code	Data Element	is utilized by	Demographic characteristic	Model View
Gender Code	Data Element	is based on	Gender Code	Generic Data Element
Gender Code	Data Element	is referenced in	X12N Health Care Data Element Dictionary	Data Agreement

Data elements are described in common format (vi)

A*dministrative Attributes:*

Date Of Submission : 03/24/1999
Source Document : ASC X12N 004010 implementation guides download from http://www.wpc-edi.com/HIPAA/index.html - Januar
Source Organization : Accredited Standards Committee X12

A*lternate Names and Contexts:*

Name	Context
Gender Code	X12N Health Care Data Element Dictionary

D*ata Element Links:*

I*nformation Model Entities linked to this Data Element*

Demographic characteristic

C*omputer Aided System Engineering (CASE) Model linked to this Data Element*

D*ata Agreements which include this Data Element*

834 Benefit Enrollment and Maintenance
X12N Health Care Data Element Dictionary

D*ata Collections which include this Data Element*

No Data Collections

I*nitiatives known to reference this Data Element*

K*eywords relating to this Data Element*

Member

D*ownload Data Element Information*

[Main Menu] [Registries] [Information Models] [Data Elements] [Data Agreements] [Data Collections] [Initiatives] [Organizations] [Services]
[Keywords] [Help] [Feedback]

Data elements are described in common format (vii)

Administrative Attributes:

Date Of Submission : 03/24/1999

Source Document : ASC X12N 004010 implementation guides download from http://www.wpc-edi.com/HIPAA/index.html - Januar

Source Organization : Accredited Standards Committee X12

Alternate Names and Contexts:

Name	Context
Gender Code	X12N Health Care Data Element Dictionary

Data elements are described in common format (viii)

Data Element Links:

Information Model Entities linked to this Data Element

Demographic characteristic

Computer Aided System Engineering (CASE) Model linked to this Data Elem

Data Agreements which include this Data Element

834 Benefit Enrollment and Maintenance
X12N Health Care Data Element Dictionary

Data Collections which include this Data Element

No Data Collections

Initiatives known to reference this Data Element

Keywords relating to this Data Element

Member

Download Data Element Information
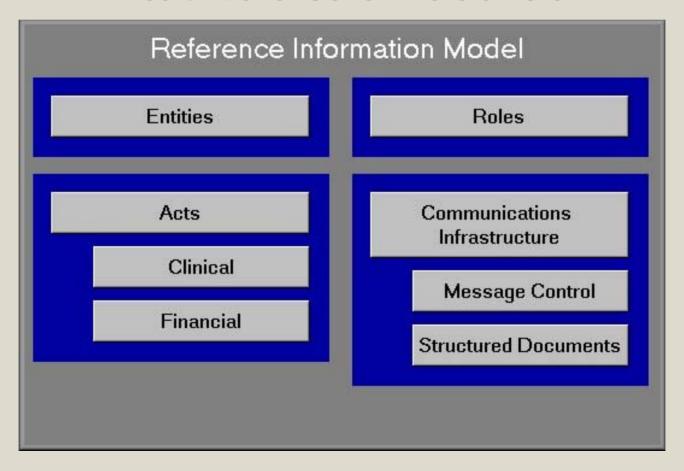
High Level Graphics Provide Owners Perspective of Data Elements (i)

National Council for Prescription Drug Programs Version 1.2

August 20, 2001

High Level Graphics Provide Owners Perspective of Data Elements (ii)

Health Level Seven Version 3.0
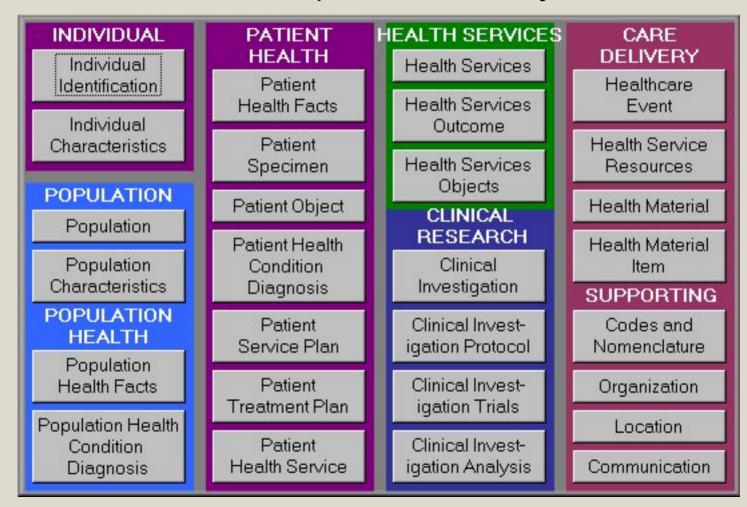
High Level Graphics Provide Owners Perspective of Data Elements (iii)
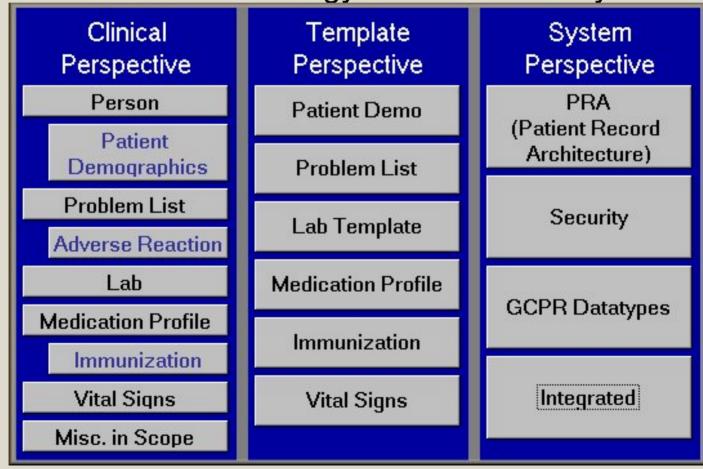Accredited Standards Committee - X12 Subcommittee N - Insurance (X12N)

Certifications

Insurance Coverage

Remittance

Claims

Party

Service Event

High Level Graphics Provide Owners Perspective of Data Elements (iv)
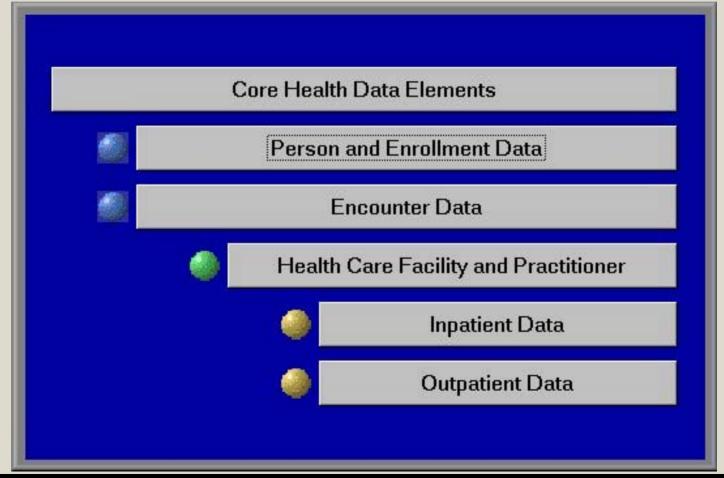## ADA/ANSI 1000 Specification Subject Areas

INDIVIDUAL	PATIENT HEALTH	HEALTH SERVICES	CARE DELIVERY
Individual Identification	Patient Health Facts	Health Services	Healthcare Event
Individual Characteristics	Patient Specimen	Health Services Outcome	Health Service Resources
POPULATION	Patient Object	Health Services Objects	Health Material
Population	Patient Health Condition Diagnosis	**CLINICAL RESEARCH**	Health Material Item
Population Characteristics	Patient Service Plan	Clinical Investigation	**SUPPORTING**
POPULATION HEALTH	Patient Treatment Plan	Clinical Investigation Protocol	Codes and Nomenclature
Population Health Facts	Patient Health Service	Clinical Investigation Trials	Organization
Population Health Condition Diagnosis		Clinical Investigation Analysis	Location
			Communication

High Level Graphics Provide Owners Perspective of Data Elements (v)

Government Computer-based Patient Record (G-CPR) Reference Terminology Model - February 2001

Clinical Perspective	Template Perspective	System Perspective
Person	Patient Demo	PRA (Patient Record Architecture)
Patient Demographics	Problem List	
Problem List	Lab Template	Security
Adverse Reaction	Medication Profile	GCPR Datatypes
Lab	Immunization	
Medication Profile	Vital Signs	Integrated
Immunization		
Vital Signs		
Misc. in Scope		
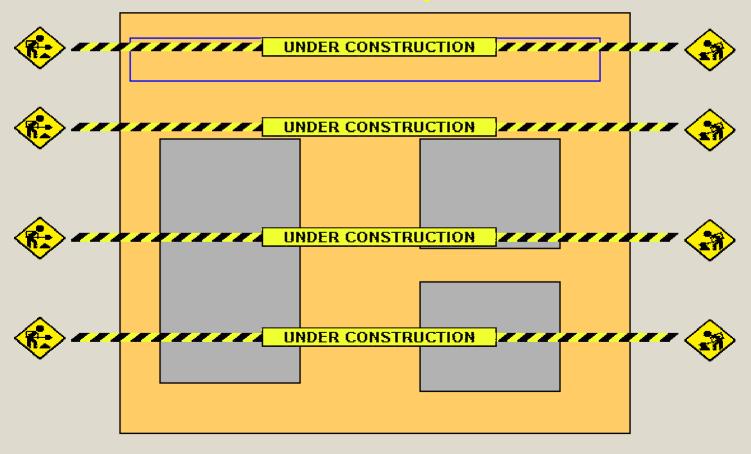
High Level Graphics Provide Owners Perspective of Data Elements (vi)

National Committee on Vital and Health Statistics

Core Health Data Elements - August 1996
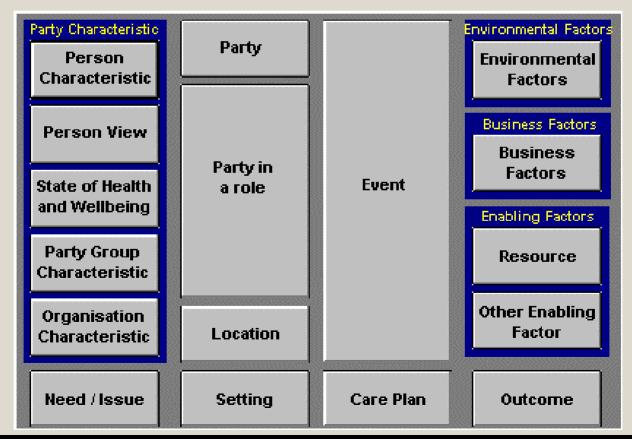
High Level Graphics Provide Owners Perspective of Data Elements (vii)

Another Perspective
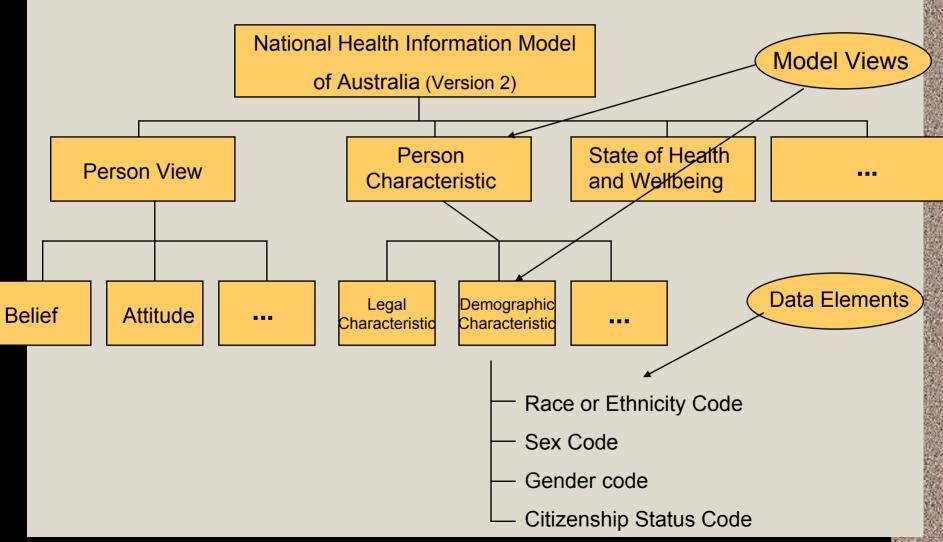
USHIK Uses NIHM to Group Data Elements

National Health Information Model of Australia **(NIHM)**

(Version 2)

USHIK Data Elements are Mapped to NHIM Model Views

National Health Information Model

of Australia (Version 2)

Model Views

Person View

Person Characteristic

State of Health and Wellbeing

...

Belief

Attitude

...

Legal Characteristic

Demographic Characteristic

...

Data Elements

- Race or Ethnicity Code
- Sex Code
- Gender code
- Citizenship Status Code

Data Elements Mapped by Different Organizations Appear Together

Data Elements For Demographic characteristic
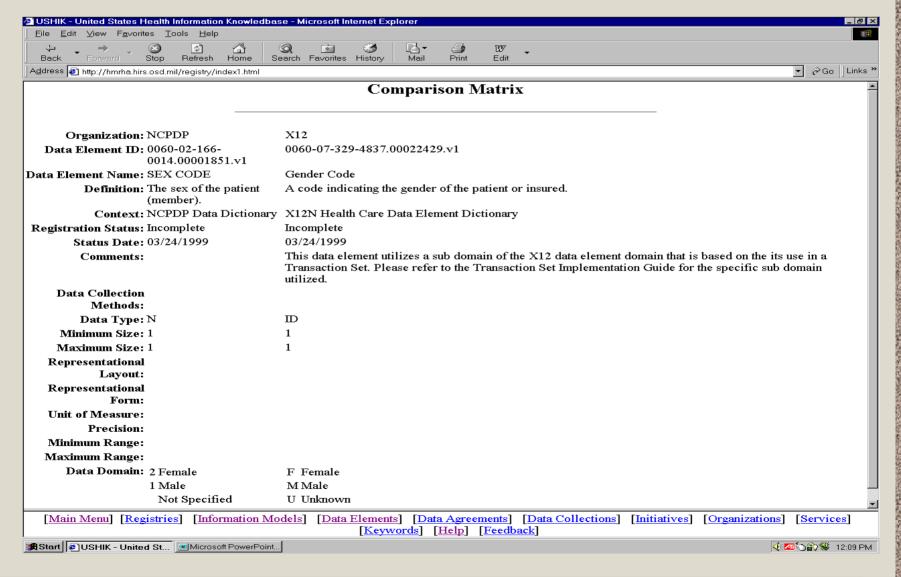
Data Elements

Swap to Advanced Search

Data Elements for Model Demographic characteristic

Data Element	Matrix	Registration Authority	ID	Vers	Type	Status
Citizenship Status Code	☐	0060-07-329-4837	00021307	1	Data Element Incom	
DATE OF BIRTH	☐	0060-02-166-0014	00001002	1	Data Element Incom	
Gender Code	☑	0060-07-329-4837	00022429	1	Data Element Incom	
Race or Ethnicity Code	☐	0060-07-329-4837	00023786	1	Data Element Incom	
SEX CODE	☑	0060-02-166-0014	00001851	1	Data Element Incomplete	

Matrix Report	Select All	Clear All	Add To List	Clear list	Download

X12 Data Element (0060-07-329- 4837 Registration Authority)

NCPDP Data Element (0060-02-166-0014 Registration Authority)

Comparison Matrix Aids in Harmonizing Data Elements

Comparison Matrix

Organization:	NCPDP	X12
Data Element ID:	0060-02-166-0014.00001851.v1	0060-07-329-4837.00022429.v1
Data Element Name:	SEX CODE	Gender Code
Definition:	The sex of the patient (member).	A code indicating the gender of the patient or insured.
Context:	NCPDP Data Dictionary	X12N Health Care Data Element Dictionary
Registration Status:	Incomplete	Incomplete
Status Date:	03/24/1999	03/24/1999
Comments:		This data element utilizes a sub domain of the X12 data element domain that is based on the its use in a Transaction Set. Please refer to the Transaction Set Implementation Guide for the specific sub domain utilized.
Data Collection Methods:		
Data Type:	N	ID
Minimum Size:	1	1
Maximum Size:	1	1
Representational Layout:		
Representational Form:		
Unit of Measure:		
Precision:		
Minimum Range:		
Maximum Range:		
Data Domain:	2 Female 1 Male Not Specified	F Female M Male U Unknown

[Main Menu] [Registries] [Information Models] [Data Elements] [Data Agreements] [Data Collections] [Initiatives] [Organizations] [Services]
[Keywords] [Help] [Feedback]

Future

- Loading of metadata into USHIK is continuing.

- A downloading capability which allows organizations to have some control over what is downloadable will be established.

- Method of versioning information are being formulated.

- New capabilities are being documented via Use Cases.

- HISB will manage the release of the new USHIK.

USHIK Metadata Registry

	Purpose	Value	Benefit
Describe data using common characteristics.	Promote development of good definitions of data.	Assists users of shared data to have a common understanding of a unit of data's meaning, representation, and identification.	Insures data quality of shared information.
Provide multiple ways to locate data definitions.	Provide both standard and custom 'drill-down' methods to data definitions.	Recognizes different points of view to narrow and focus on data definitions to be retrieved.	User not overwhelmed by number of data definitions.
Web accessible and data definitions downloadable.	Provide easy access and promote use of standards.	Good data definitions become standards.	Standards are re-used. Interoperability between system is easier and data quality improvements.
Able to link to information in other data registries.	Utilize data elements described by experts in their particular field.	Quality data elements that cover the breath of a field are created.	Resources are not used to recreate data elements.

Demonstration

Demonstration
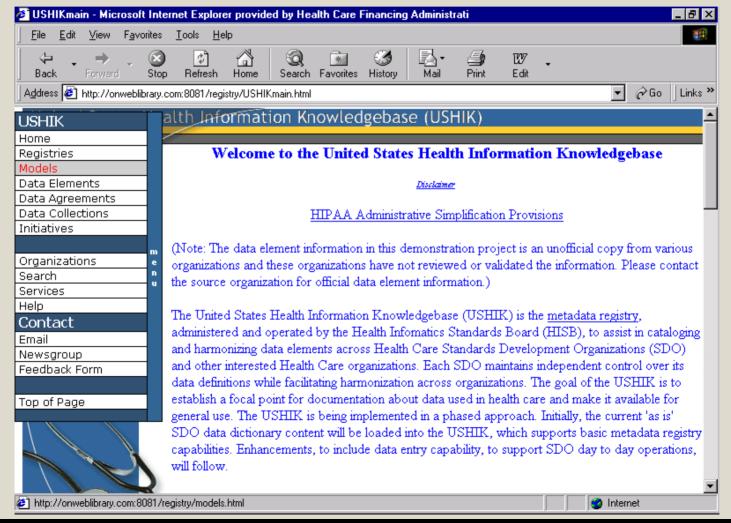
- How to use USHIK metadata registry
  - Using an organization's information model along with data element mapping to find similar data elements
  - Search and comparing data elements
- Viewing data element based on Health Insurance Portability and Accountability Act (HIPAA) groupings
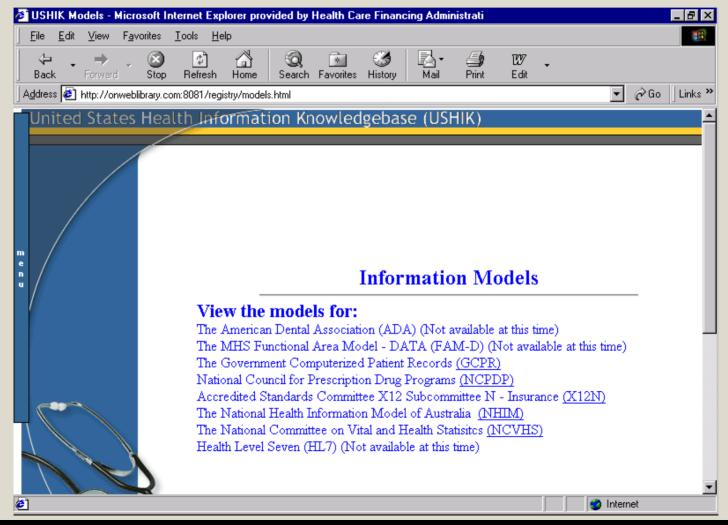
How to use USHIK metadata registry

- Using an organization's information model along with data element mapping to find similar data elements
  - Drill down from an organization's information model
  - Find a data element on interest
  - Review the data element's mapping to information models
  - Transfer to the NHIM mapped information model
  - View data elements mapped to that information model
  - Select and compare data elements on interest

Using an organization's information model
Select "Models" from side bar menu
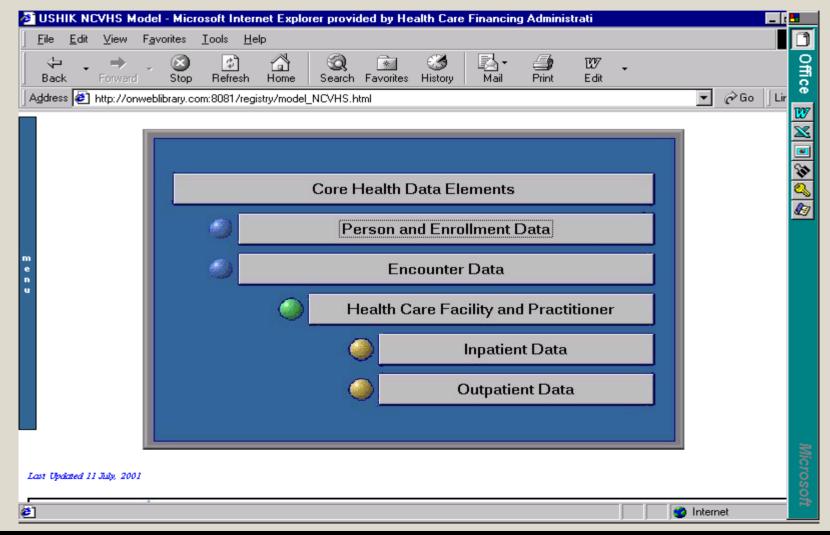
Using an organization's information model
Click on "NCVHS" information model

USHIK Models - Microsoft Internet Explorer provided by Health Care Financing Administrati

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Mail   Print   Edit

Address http://onweblibrary.com:8081/registry/models.html

United States Health Information Knowledgebase (USHIK)

Information Models

View the models for:

The American Dental Association (ADA) (Not available at this time)
The MHS Functional Area Model - DATA (FAM-D) (Not available at this time)
The Government Computerized Patient Records (GCPR)
National Council for Prescription Drug Programs (NCPDP)
Accredited Standards Committee X12 Subcommittee N - Insurance (X12N)
The National Health Information Model of Australia (NHIM)
The National Committee on Vital and Health Statisitcs (NCVHS)
Health Level Seven (HL7) (Not available at this time)

Using an organization's information model
Click on "Person and Enrollment Data"
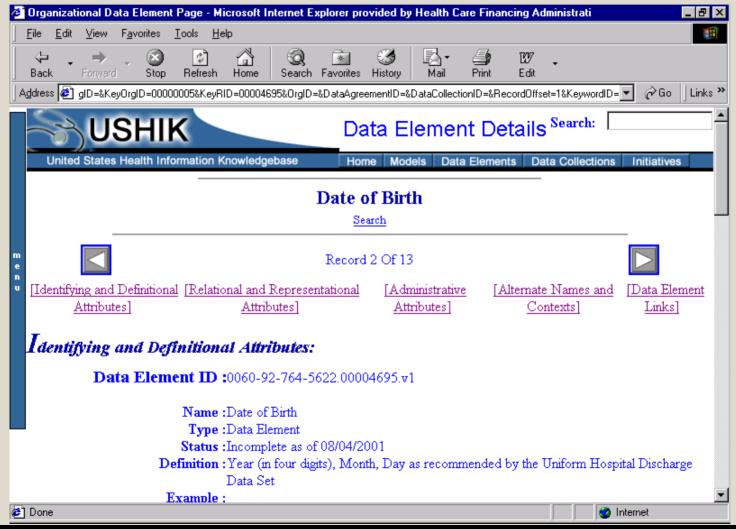
Using an organization's information model
Click on "All(12)" to display all data elements
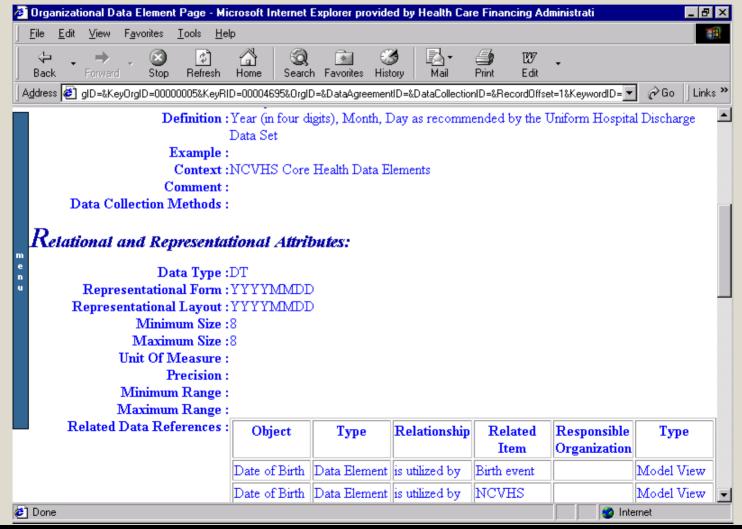
Using an organization's information model
Click on "Date of Birth" to display its metadata
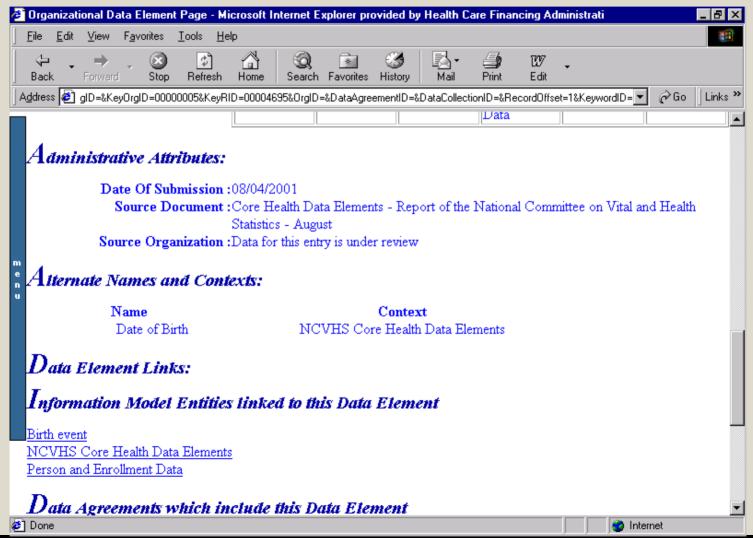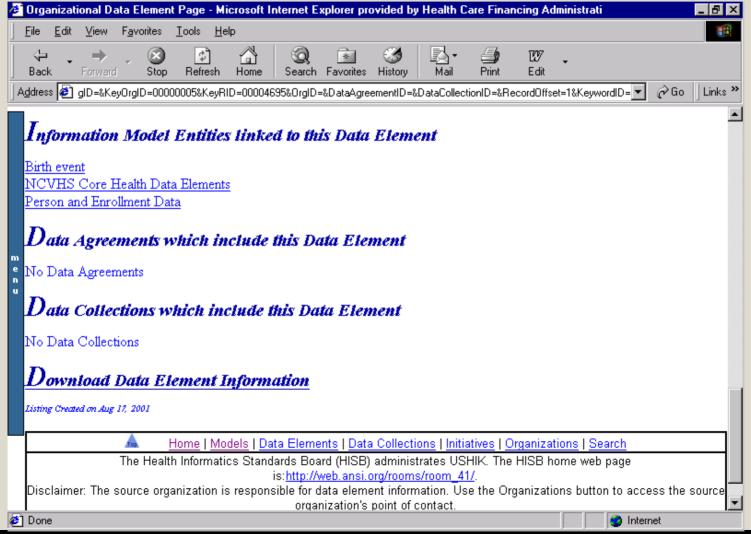
Using an organization's information model
Scroll down to see additional metadata

Using an organization's information model
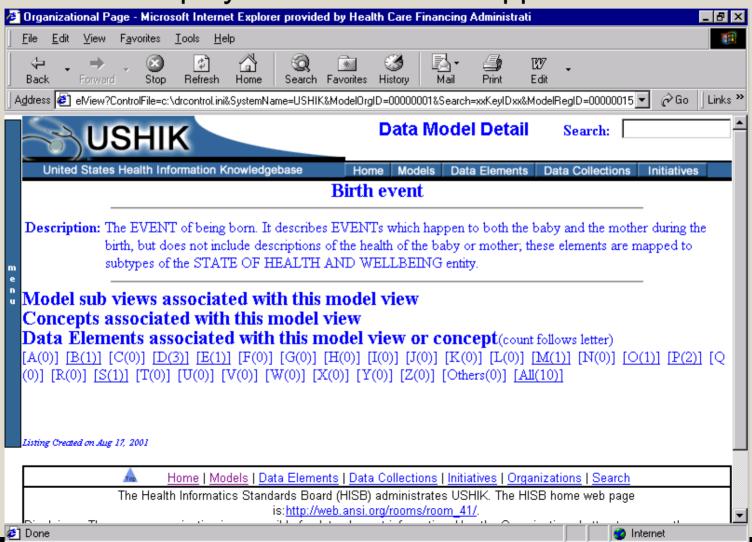## Scroll down to see additional metadata

August 20, 2001

Using an organization's information model
Scroll down to see additional metadata

Using an organization's information model
Click on "Birth event" to see data elements mapped to it

Using an organization's information model
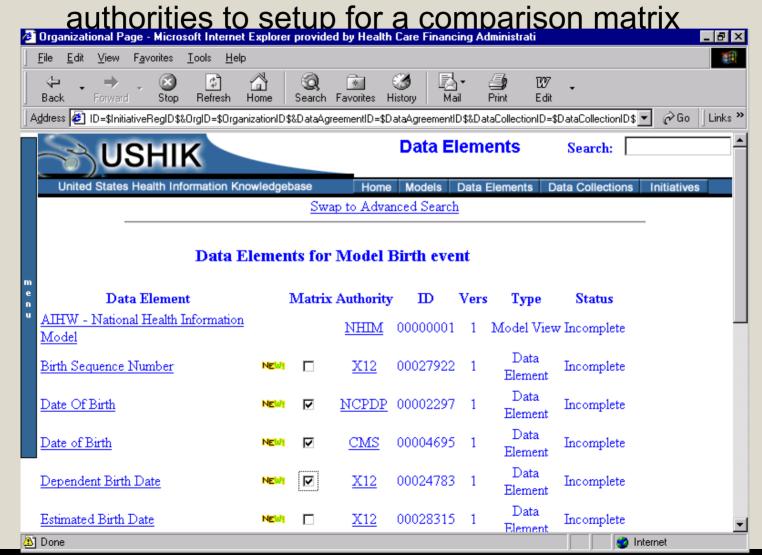
Australian Model view "Birth Event" is displayed. Click on All(10) to display data elements mapped to it.

Using an organization's information model
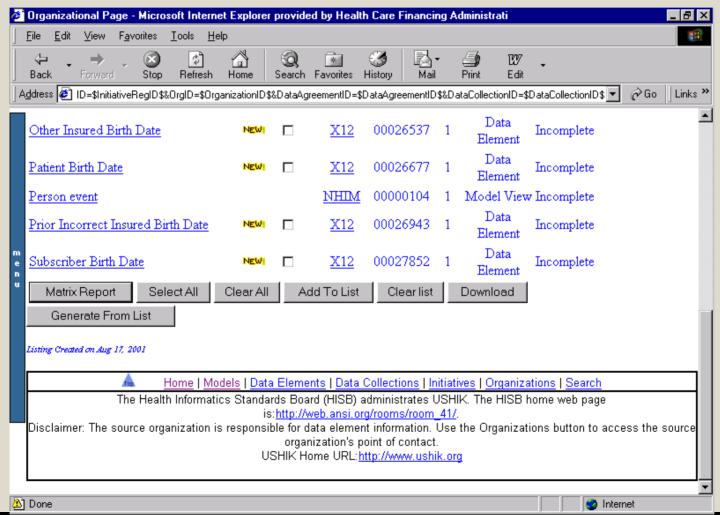
Click on matrix check box next to Date of Birth and Dependent Birth Data data elements in NCPDP, CMS, and X12 registry authorities to setup for a comparison matrix
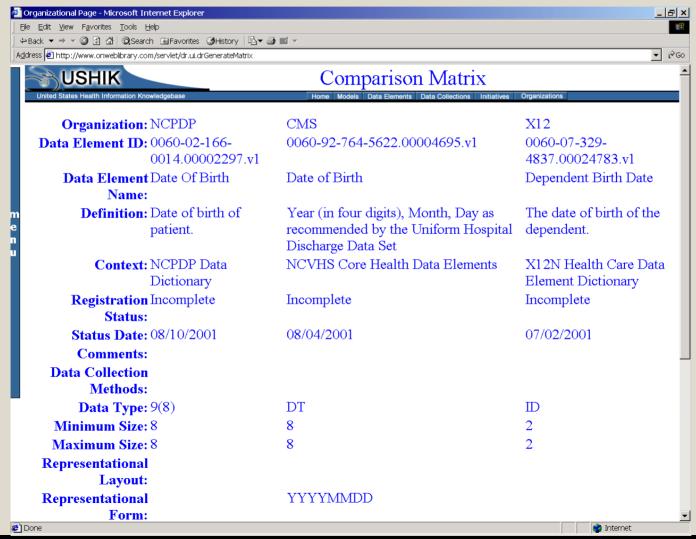
Using an organization's information model
Scroll to bottom of page and click on "Matrix Report" button to display the comparison matrix report

Using an organization's information model
Comparison matrix report is displayed
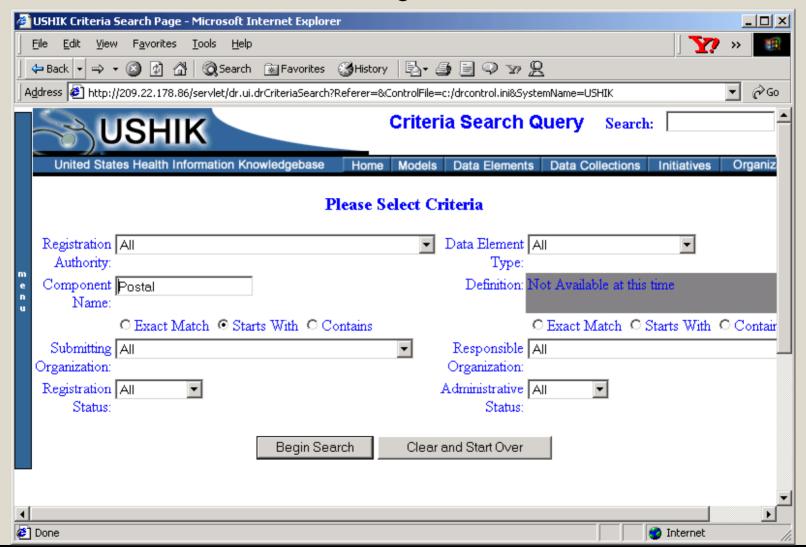
How to use USHIK metadata registry
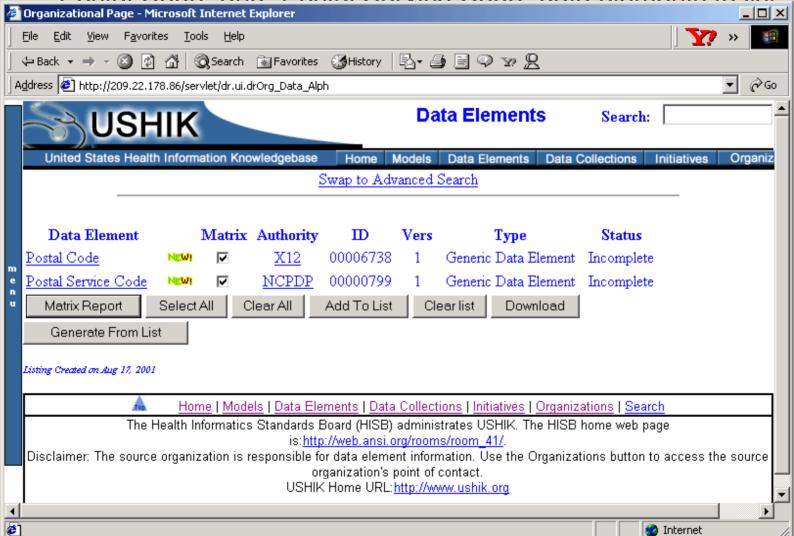
- Search and comparing data elements
  - This example shows the use of the registry to compare data elements that may be the same, but are named differently.
  - Use "search" and "add to list" capabilities to compare "Postal" and "Zip" codes
  - Search for data elements starting with "Postal"
  - Add them to a list
  - Search for data elements starting with "Zip"
  - Add them to the list
  - Compare the data elements on the list

Search and comparing data elements
Click on Search in side bar menu, then type "Postal", select "Starts with" and then click "Begin Search" button
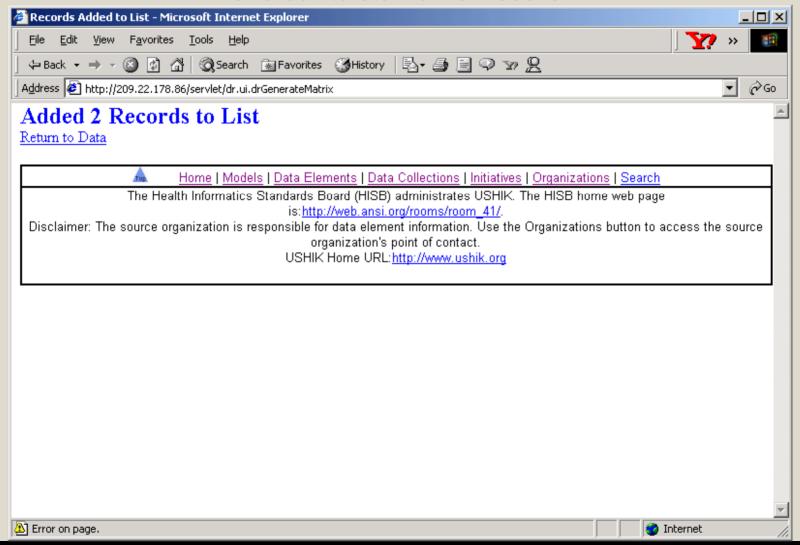
Search and comparing data elements

Click on check boxes under "Matrix" and the "Add to List" button to add "Postal Code" and "Postal Service Code" data elements to list
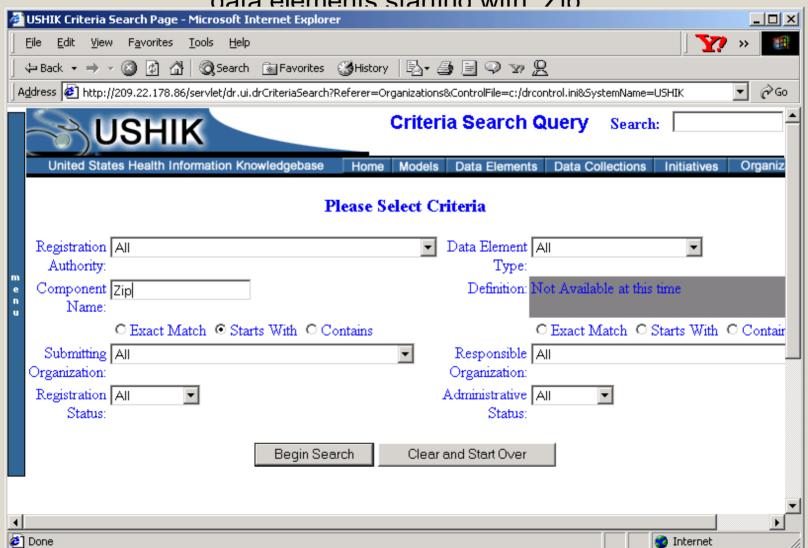
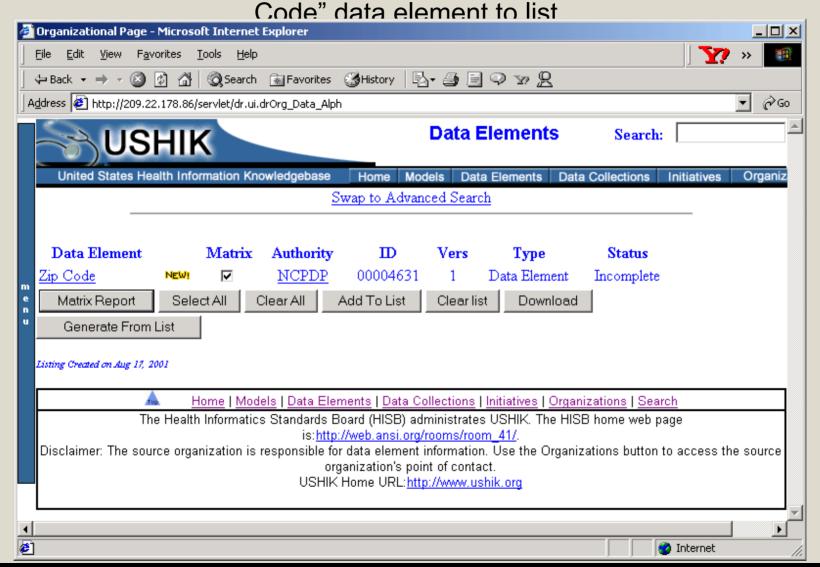# Search and comparing data elements

Added 2 records to list is reported. Click on "Search" button on bottom menu bar to start a new search.

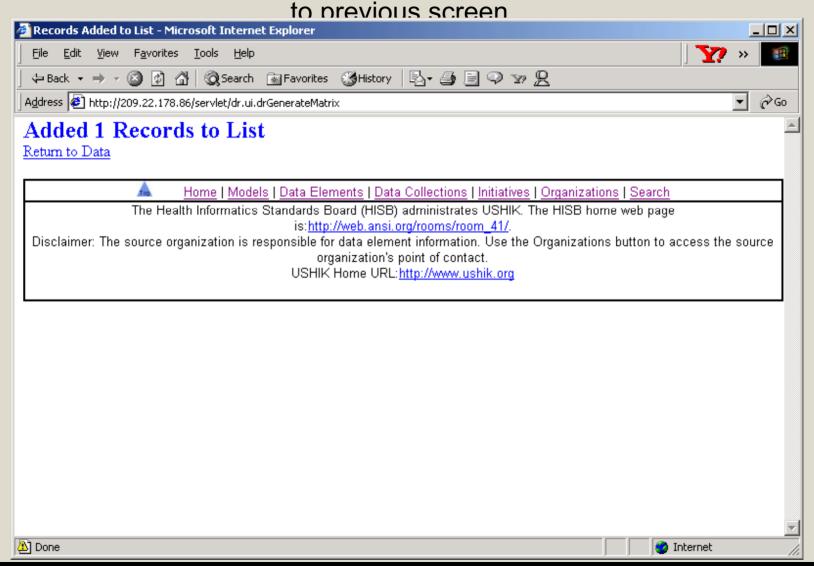# Search and comparing data elements

Type "Zip", select "Starts With" and click "Begin Search" to search for data elements starting with "Zip"

Search and comparing data elements
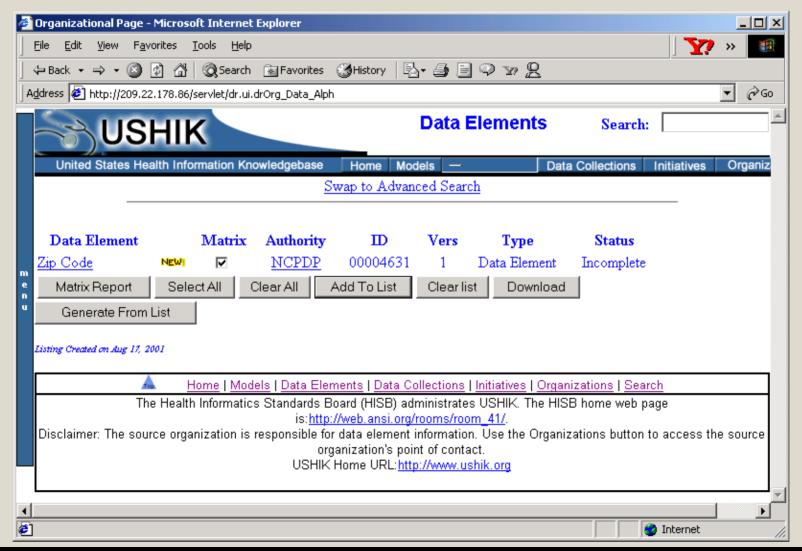
Click on check box under "Matrix" and the "Add to List" button to add "Zip Code" data element to list

Search and comparing data elements
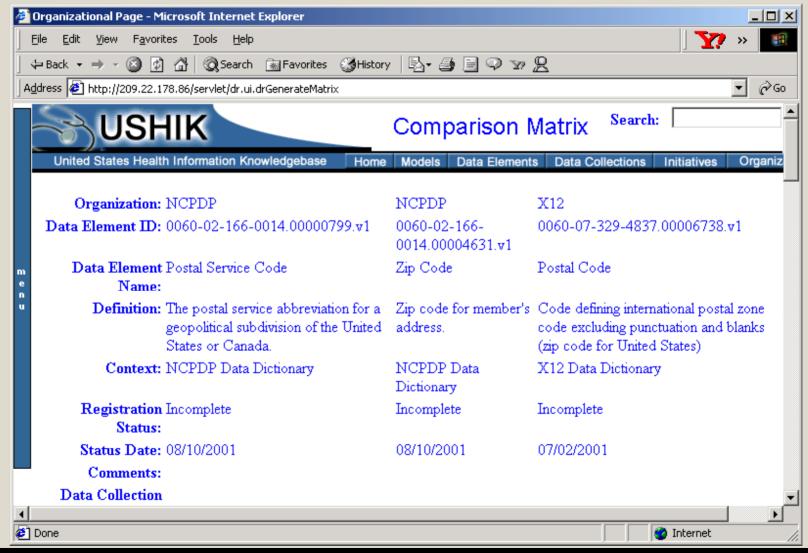
Added 1 records to list is reported. Click on browser "Back" button to get to previous screen

Search and comparing data elements

Click on "Generate From List" button to display a comparison matrix.
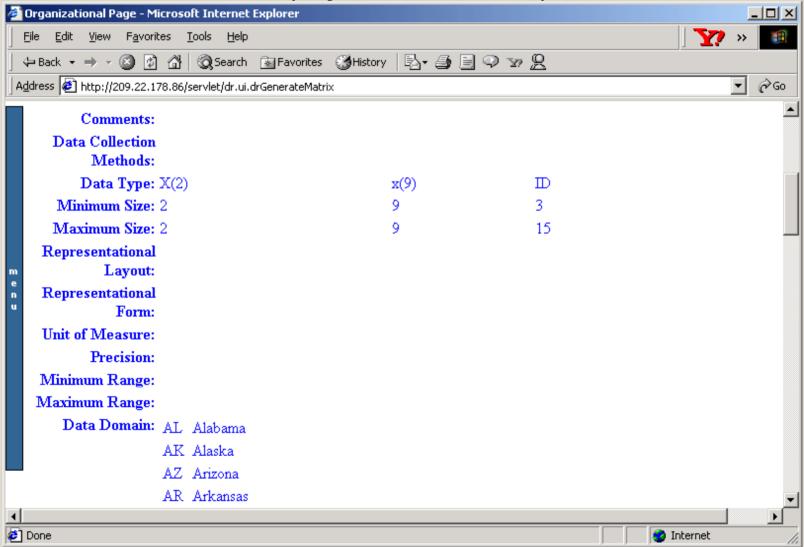
Search and comparing data elements
Comparison matrix is displayed.

Organizational Page - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back   →   ⊗   ↻   ⌂   Search   Favorites   History   ⊞-   ⊜   ☰   ♡   Y!   ⊗

Address   http://209.22.178.86/servlet/dr.ui.drGenerateMatrix   Go

USHIK
Comparison Matrix

United States Health Information Knowledgebase   Home   Models   Data Elements   Data Collections   Initiatives   Organiz

Search:

Organization:	NCPDP	NCPDP	X12
Data Element ID:	0060-02-166-0014.00000799.v1	0060-02-166-0014.00004631.v1	0060-07-329-4837.00006738.v1
Data Element Name:	Postal Service Code	Zip Code	Postal Code
Definition:	The postal service abbreviation for a geopolitical subdivision of the United States or Canada.	Zip code for member's address.	Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
Context:	NCPDP Data Dictionary	NCPDP Data Dictionary	X12 Data Dictionary
Registration Status:	Incomplete	Incomplete	Incomplete
Status Date:	08/10/2001	08/10/2001	07/02/2001
Comments:			
Data Collection			

Done   Internet

Search and comparing data elements

Scroll down to display more of the comparison matrix.
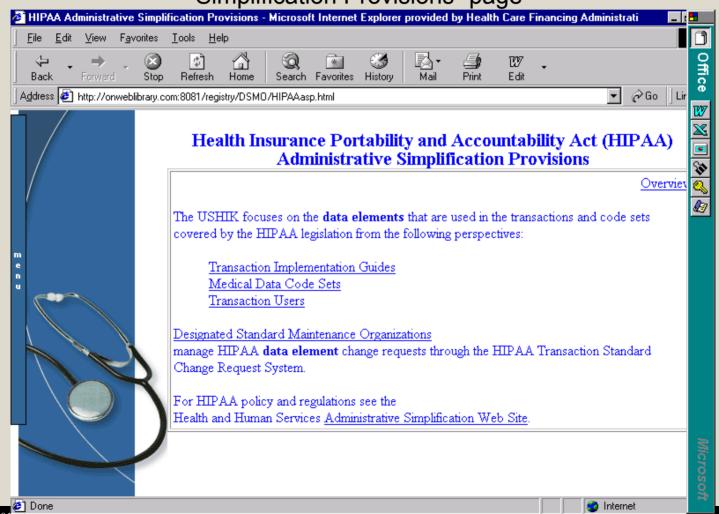
Organizational Page - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

⇐ Back ▾ → ▾ ⊗ ↻ ⌂ | ⊗ Search ⌖ Favorites ⌛ History | ⧉ ▾ ⬚ ⬚ ⌑ ⿻ ⿻

Address http://209.22.178.86/servlet/dr.ui.drGenerateMatrix

Comments:			
Data Collection Methods:			
Data Type:	X(2)	x(9)	ID
Minimum Size:	2	9	3
Maximum Size:	2	9	15
Representational Layout:			
Representational Form:			
Unit of Measure:			
Precision:			
Minimum Range:			
Maximum Range:			
Data Domain:	AL Alabama		
	AK Alaska		
	AZ Arizona		
	AR Arkansas		

Done   Internet

Viewing data element based on Health Insurance Portability and Accountability Act (HIPAA) groupings

- Viewing data elements based on transaction guides

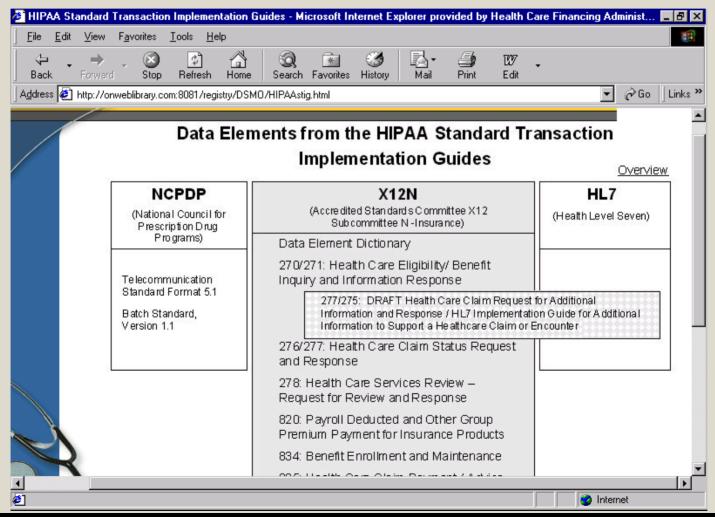- Viewing data elements based on transaction users

Viewing data element based on (HIPAA) groupings

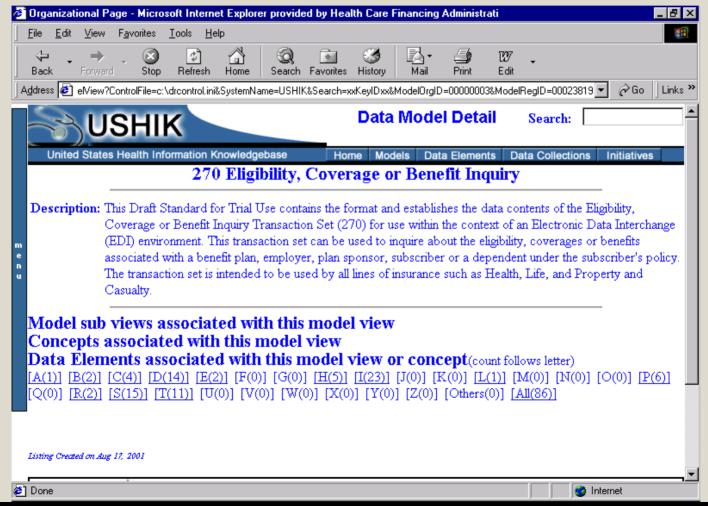Select "HIPAA Administrative Simplification Provisions" on the Home page

Viewing data element based on (HIPAA) groupings

Click on "Transaction Implementation Guides" on "HIPAA Administrative Simplification Provisions" page

Viewing data element based on (HIPAA) groupings
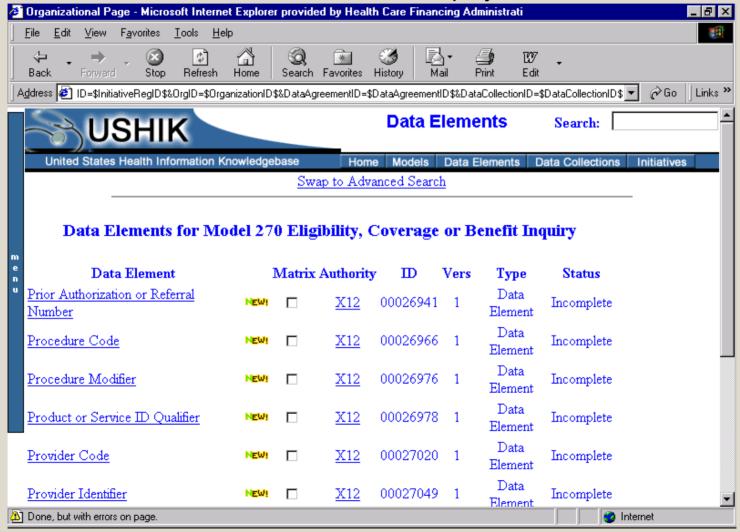
Click on "270" to display Health Care Eligibility / Benefit Inquiry data elements

Viewing data element based on (HIPAA) groupings
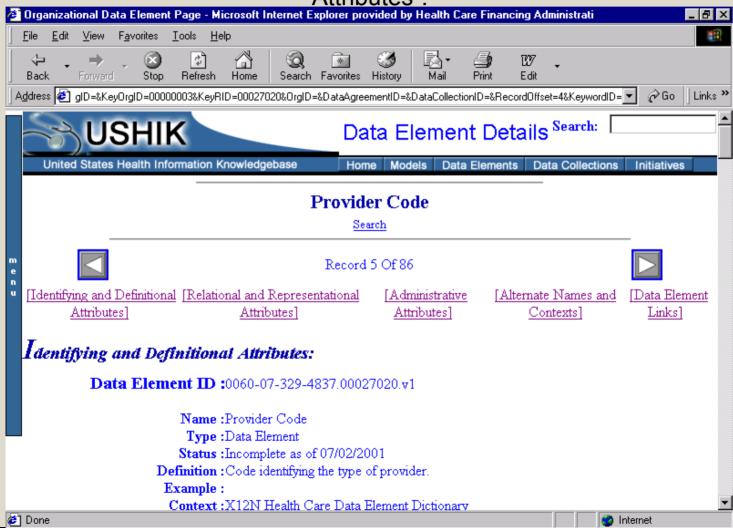
Click on "P(6)" to display data elements starting with "P"

Viewing data element based on (HIPAA) groupings
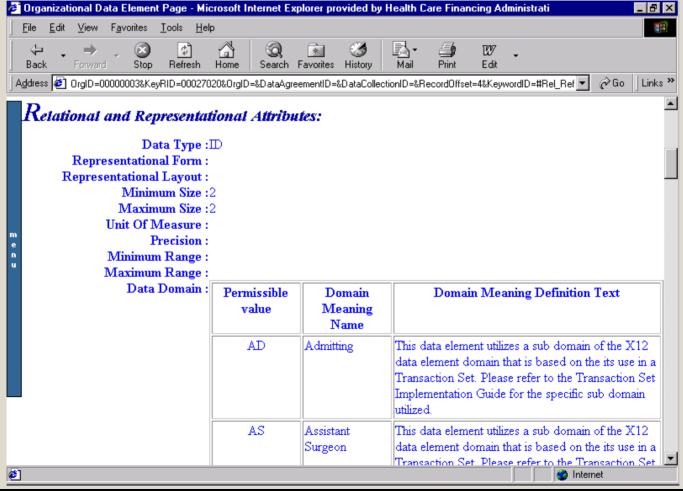
Click on "Provider Code" to display its metadata

Viewing data element based on (HIPAA) groupings
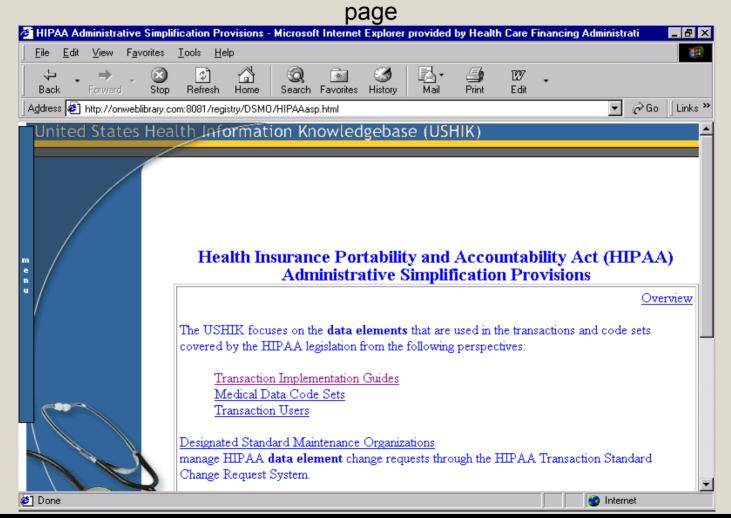
"Provider Code" metadata is displayed. Click on "Relational and Representational Attributes".

Viewing data element based on (HIPAA) groupings

"Relational and Representational Attributes" type metadata for "Provider Code" is displayed.

Viewing data element based on (HIPAA) groupings

Click on "Transaction Users" on "HIPAA Administrative Simplification Provisions" page
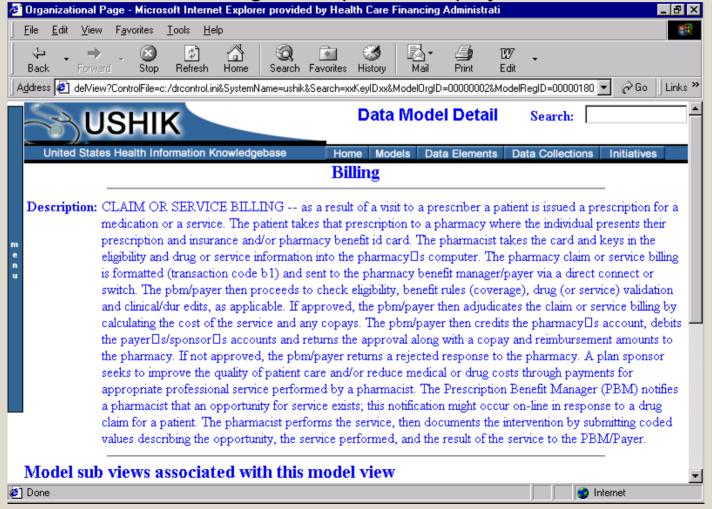
Viewing data element based on (HIPAA) groupings

Click on "B1" (Claim or Service Billing transaction between "Enrollment" and "Eligibility Verification") on "HIPAA Transaction Users" page
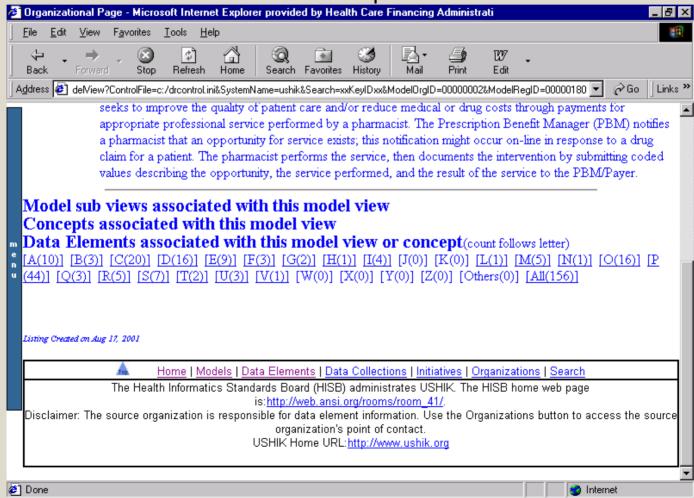
Viewing data element based on (HIPAA) groupings

"Billing" description is displayed.

Viewing data element based on (HIPAA) groupings

Scroll down to bottom of page to get access to select "Billing" data elements based on alphabet.

seeks to improve the quality of patient care and/or reduce medical or drug costs through payments for appropriate professional service performed by a pharmacist. The Prescription Benefit Manager (PBM) notifies a pharmacist that an opportunity for service exists; this notification might occur on-line in response to a drug claim for a patient. The pharmacist performs the service, then documents the intervention by submitting coded values describing the opportunity, the service performed, and the result of the service to the PBM/Payer.

Model sub views associated with this model view
Concepts associated with this model view
Data Elements associated with this model view or concept(count follows letter)
[A(10)] [B(3)] [C(20)] [D(16)] [E(9)] [F(3)] [G(2)] [H(1)] [I(4)] [J(0)] [K(0)] [L(1)] [M(5)] [N(1)] [O(16)] [P(44)] [Q(3)] [R(5)] [S(7)] [T(2)] [U(3)] [V(1)] [W(0)] [X(0)] [Y(0)] [Z(0)] [Others(0)] [All(156)]

Listing Created on Aug 17, 2001

Home | Models | Data Elements | Data Collections | Initiatives | Organizations | Search
The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/.
Disclaimer: The source organization is responsible for data element information. Use the Organizations button to access the source organization's point of contact.
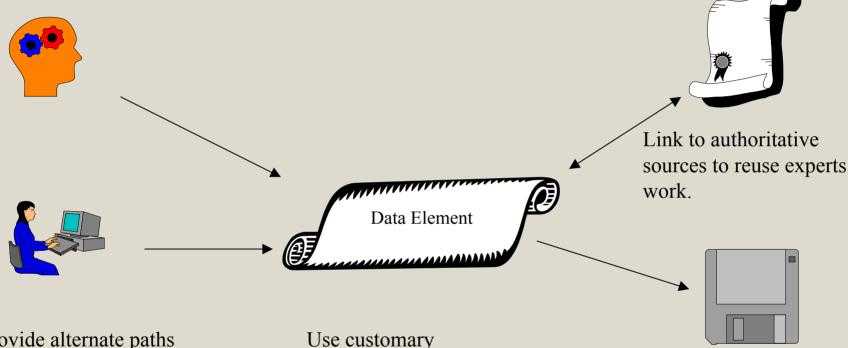USHIK Home URL: http://www.ushik.org

End of Demonstration on following:

- How to use USHIK metadata registry
  - Using an organization's information model along with data element mapping to find similar data elements
  - Search and comparing data elements
- Viewing data element based on Health Insurance Portability and Accountability Act (HIPAA) groupings

USHIK Metadata Registry

	Purpose	Value	Benefit
Describe data using common characteristics.	Promote development of good definitions of data.	Assists users of shared data to have a common understanding of a unit of data's meaning, representation, and identification.	Insures data quality of shared information.
Provide multiple ways to locate data definitions.	Provide both standard and custom 'drill-down' methods to data definitions.	Recognizes different points of view to narrow and focus on data definitions to be retrieved.	User not overwhelmed by number of data definitions.
Web accessible and data definitions downloadable.	Provide easy access and promote use of standards.	Good data definitions become standards.	Standards are re-used. Interoperability between system is easier and data quality improvements.
Able to link to information in other data registries.	Utilize data elements described by experts in their particular field.	Quality data elements that cover the breath of a field are created.	Resources are not used to recreate data elements.

Metadata Registry Overview

Data Element

Link to authoritative sources to reuse experts work.

Provide alternate paths for different types of users to locate data element information.

Use customary characteristics based on an international standard to describe data elements.

Provide access to data element characteristics and code sets via web for downloading and reuse in application development.